WHAT IS CLAIMED IS:

2	1. A security system for a building, the system comprising:
3	at least one sensor installed inside the building to monitor environment
4	data, wherein a memory is built inside the at least one sensor to store a default
5	value, and the default value is applied to compare to subsequent environment
6	data recorded by the at least one sensor;
7	at least one image capture device installed at a particular place near the
8	at least one sensor to capture image data where said at least one sensor monitors
9	the particular place;
10	a control unit communicating with said at least one sensor and said at
11	least one image capture device, wherein the control unit receives signals output
12	from the at least one sensor and controls the at least one image capture device to
13	capture image data;
14	a communication interface, which serves as an interface between the
15	control unit and the Internet or a mobile telecommunication network, whereby
16	the captured image data is transmitted to a cell phone owned by a responsible
17	person of the building; wherein the control unit is able to dial an emergency
18	telephone number through the Internet to a police authority or a security service
19	firm; and
20	an alarming device connected to the control unit to generate alarming
21	signals.
22	2. The security system as claimed in claim 1, wherein said at least one
23	sensor is an infrared sensor.
24	3. The security system as claimed in claim 1, wherein said at least one

- 1 sensor is an ultrasonic sensor.
- 2 4. The security system as claimed in claim 1, wherein said at least one
- 3 sensor is a CCD camera.
- 5. The security system as claimed in claim 1, wherein said at least one
- 5 sensor is a CMOS camera.
- 6. The security system as claimed in claim 1, wherein said at least one
- 7 image capture device is a CCD camera.
- 8 7. The security system as claimed in claim 1, wherein said at least one
- 9 image capture device is a CMOS camera.
- 8. The security system as claimed in claim 1, wherein the at least one
- sensor and the at least one image capture device are connected to the control unit
- via power lines, and multiple power line carriers are respectively connected to
- the at least one sensor, the at least one image capture device and the control unit;
- wherein transmitting data over the power lines are modulated or
- 15 demodulated by the power line carriers.
- 9. The security system as claimed in claim 2, wherein the at least one
- sensor and the at least one image capture device are connected to the control unit
- via power lines, and multiple power line carriers are respectively connected to
- the at least one sensor, the at least one image capture device and the control unit;
- wherein transmitting data over the power lines are modulated or
- 21 demodulated by the power line carriers.
- 22 10. The security system as claimed in claim 3, wherein the at least one
- 23 sensor and the at least one image capture device are connected to the control unit
- via power lines, and multiple power line carriers are respectively connected to

- the at least one sensor, the at least one image capture device and the control unit;
- wherein transmitting data over the power lines are modulated or
- 3 demodulated by the power line carriers.
- 11. The security system as claimed in claim 4, wherein the at least one sensor and the at least one image capture device are connected to the control unit
- 6 via power lines, and multiple power line carriers are respectively connected to
- 7 the at least one sensor, the at least one image capture device and the control unit;
 - 8 . wherein transmitting data over the power lines are modulated or
 - 9 demodulated by the power line carriers.
- 10 12. The security system as claimed in claim 5, wherein the at least one
- sensor and the at least one image capture device are connected to the control unit
- via power lines, and multiple power line carriers are respectively connected to
- the at least one sensor, the at least one image capture device and the control unit;
- wherein transmitting data over the power lines are modulated or
- demodulated by the power line carriers.
- 16 13. The security system as claimed in claim 6, wherein the at least one
- sensor and the at least one image capture device are connected to the control unit
- via power lines, and multiple power line carriers are respectively connected to
- 19 the at least one sensor, the at least one image capture device and the control unit;
- wherein transmitting data over the power lines are modulated or
- 21 demodulated by the power line carriers.
- 22 14. The security system as claimed in claim 7, wherein the at least one
- 23 sensor and the at least one image capture device are connected to the control unit
- via power lines, and multiple power line carriers are respectively connected to

1	the at least one sensor, the at least one image capture device and the control unit;
2	wherein transmitting data over the power lines are modulated or
3	demodulated by the power line carriers.
4	15. The security system as claimed in claim 1, wherein the at least one
5	sensor and the at least one image capture device communicate to the control unit
6	wirelessly;
7	wherein multiple radio signal transceivers are respectively connected to
8	the at least one sensor, the at least one image capture device and the control unit.
9	16. The security system as claimed in claim 2, wherein the at least one
10	sensor and the at least one image capture device communicate to the control unit
11	wirelessly;
12	wherein multiple radio signal transceivers are respectively connected to
13	the at least one sensor, the at least one image capture device and the control unit.
14	17. The security system as claimed in claim 3, wherein the at least one
15	sensor and the at least one image capture device communicate to the control unit
16	wirelessly;
17	wherein multiple radio signal transceivers are respectively connected to
18	the at least one sensor, the at least one image capture device and the control unit.
19	18. The security system as claimed in claim 4, wherein the at least one
20	sensor and the at least one image capture device communicate to the control unit
21	wirelessly;
22	wherein multiple radio signal transceivers are respectively connected to
23	the at least one sensor, the at least one image capture device and the control unit.
24	19. The security system as claimed in claim 5, wherein the at least one

- sensor and the at least one image capture device communicate to the control unit
 wirelessly;
- wherein multiple radio signal transceivers are respectively connected to the at least one sensor, the at least one image capture device and the control unit.
- 20. The security system as claimed in claim 6, wherein the at least one sensor and the at least one image capture device communicate to the control unit wirelessly;
- wherein multiple radio signal transceivers are respectively connected to the at least one sensor, the at least one image capture device and the control unit.